

MAR 05 1981

30-015-23696

Form C-101
Revised 10-1-78

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APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5a. Indicate Type of Lease STATE ☒ FEDERAL ☐	
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. State Oil & Gas Lease No. L-5364	
2. Name of Operator Phillips Petroleum Company		7. Unit Agreement Name ---	
3. Address of Operator Room 401, 4001 Penbrook St., Odessa, Texas, 79762		8. Farm or Lease Name Malaga - C	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>660</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>36</u> TWP. <u>23-S</u> RGT. <u>28-E</u> NMPM		9. Well No. 1	
		10. Field and Pool, or Wildcat Wildcat-Morrow (Gas)	
		12. County Eddy	
19. Proposed Depth 13,000'		19a. Formation Morrow	
20. Rotary or C.T. Rotary & C.T.			
21. Elevations (Show whether DF, RT, etc.) 2989.6 (Unprepared)		21A. Kind & Status Plug. Bond Blanket	
21B. Drilling Contractor Empire Drlg. Co.		22. Approx. Date Work will start Upon Approval	

23. Note: Proration Acreage is Dedicated PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
24"	18-5/8"	87.5#, K-55	450'	850 sxs Cl "C" w/2% CaCl ₂	
	(Cement must circulate)				
17-1/2"	13-3/8"	61#, K-55	2600'	Sufficient to circulate	
	(to surface w/volume survey and 50% excess using TLW, 2.19 cf/sx w/10% DD, 10% salt followed by 300 sx Cl "C" w/2% CaCl ₂)				
12-1/4"	9-5/8"	36#, K-55	9600'	Sufficient to tie back into	
		40#, S-95			

9 5/8"
13-3/8" Csg. w/Caliper volume + 30% excess w/DV collar at + 4600'
1st Stage: cmt. w/Cl "C", 3.32 cf/sx, w/30% Diacel D, 1/4#/sx Flocele, 5#/sx Gilsonite (12 hr. strength = 500 psi), followed by 200 sx Cl "C" Neat. Circulate between stages 5 hrs.
2nd Stage: Cement w/Cl "C", 3.32 cf/sx, w/30% Diacel D, 24 hr. strength = 210 psi; (72 hr. strength = 710 psi) *

8-5/8" 5-1/2" 20#, 17#, N-80 13,000' Sufficient to single
(stage tie back into 9-5/8" csg. w/caliper volume + 30% excess Cl "C" w/0.10% LWL, 2#/sx KCl, appropriate friction reducer.

gas is dedicated

(Cont'd)

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

W.J. Mueller Title Sr. Engineering Specialist Date March 2, 1981
(This space for State Use)

APPROVED BY W.A. Gessert TITLE SUPERVISOR, DISTRICT II DATE MAR 11 1981

CONDITIONS OF APPROVAL, IF ANY:

*+ 200 sx Class C neat
:ehg

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 9-11-81
UNLESS DRILLING UNDERWAY

Use mud additives as required for control.

BOP Equipment Series 1500#, 5000# Per Figure 5, Schematic attached.

10,000 psi working pressure per Figure 2, Schematic attached.